

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A transmitter device for communicating with a plurality of receiver devices in a cell through radio channels, said transmitter device comprising:

an OFDM transmission means;

a MC-CDMA transmission means; and

a control means for selecting either said OFDM transmission means or said MC-CDMA transmission means at a slot time assigned to ~~the~~a receiver device in response to propagation conditions for the receiver device.

Claim 2 (Original): The transmitter device as claimed in claim 1, wherein said control means dynamically selects a modulation scheme and a channel coding rate in both said OFDM transmission means and said MC-CDMA transmission means, and further dynamically selects a spreading rate when using said MC-CDMA transmission means.

Claim 3 (Original): The transmitter device as claimed in claim 1, wherein said propagation conditions are a distance from said receiver device and a ratio of carrier power to interference signal power and noise power.

Claim 4 (Original): The transmitter device as claimed in claim 3, wherein said control means selects said OFDM transmission means when the distance is short and the a ratio of carrier power to interference signal power and noise power is high, and said MC-CDMA transmission means when the distance is long or the ratio of carrier power to interference signal power and noise power is low.

Claim 5 (Original): The transmitter device as claimed in claim 3, wherein said propagation conditions further include a delay spread and a maximum Doppler frequency.

Claim 6 (Original): The transmitter device as claimed in claim 1, wherein said transmitter device further comprises a transmit power control means for controlling a transmit power at slot time assigned to the receiver device.

Claim 7 (Original): The transmitter device as claimed in claim 1, wherein said transmitter device further comprises a means for performing site diversity to the receiver device sited in a boundary of between said cells so that said transmitter device simultaneously transmits the same signal as other transmitter device in other cell.

Claim 8 (Currently Amended): A transmitting method of a device for communicating with a plurality of devices in a cell through radio channels, said transmitting method comprising the steps of:

selecting either an OFDM scheme or a MC-CDMA scheme at a slot time assigned to ~~said~~ a receiver device in response to propagation conditions for said receiver device; and transmitting a signal by using said selected scheme.

Claim 9 (Original): The transmitting method as claimed in claim 8, wherein said selecting step dynamically selects a modulation scheme and a channel coding rate, and further dynamically selects a spreading rate when using said MC-CDMA scheme.

Claim 10 (Original): The transmitting method as claimed in claim 8, wherein said propagation conditions are a distance from the receiver device and a ratio of carrier power to interference signal power and noise power.

Claim 11 (Original): The transmitting method as claimed in claim 10, wherein said selecting means selects said OFDM scheme when said distance is short and a ratio of carrier power to interference signal power and noise power is high, and said MC-CDMA scheme when the distance is long or the ratio of carrier power to interference signal power and noise power is low.

Claim 12 (Original): The transmitting method as claimed in claim 10, wherein said propagation conditions further includes a delay spread and a maximum Doppler frequency.

Claim 13 (Original): The transmitting method as claimed in claim 8, wherein said method further comprises a step of controlling a transmit power control at slot time assigned to the receiver device.